

Optical Components / Opto-Mechanics
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OptoSigma Optical Components

Lens selection

- Achromatic Doublets, Spherical, Cylindrical, Aspheric, and Multi-element lenses
- Offered in inch and metric sizes
- Diameters 0.06" (1.5mm) to 4" (100mm)
- Various materials including BK7 and Fused Silica
- Off-the-shelf, modified or custom designed



Mirror selection

- UV to near IR
- Offered in inch and metric sizes
- Round and square
- Diameters 0.5" (12.7mm) to 6" (152.4mm)
- High Power Nd:YAG and Harmonics
- Dielectric, Metallic and Enhanced Metallic coatings
- Off-the-shelf, modified or custom designed



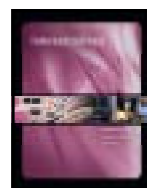
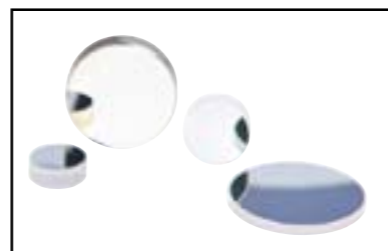
Beamsplitter and Polarizer selection

- Plate, Cube, and Pellicle beamsplitters
- Laser line UV to near IR
- Non-Polarizing and Polarizing cube beamsplitters
- Beam Samplers, Harmonic Separators, Calcite, Dichroic sheet polarizers and waveplates



Other Products and Services

- High Power and Ultra-Violet Laser Optics, Prisms, Windows, Micro Optics, Filters and Apertures
- Engineering support for Design & Development
- Coating of catalog optics and customer supplied materials
- Large selection of Off-the-shelf products
- Prototype to Production
- OEM volume manufacturing



Thin Film Coatings | Optical Components | Opto-Mechanics | Manual Positioners | Motorized Positioners

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OptoSigma Manual Positioners

Steel Extended Contact Bearing Stages

Available in 120, 65, 40, 25mm footprints
X, XY, Z, XYZ configurations, short and long travel

Stainless Steel Extended Contact Bearing Stages

Available in 65, 40, 25mm footprints
X, XY, Z, XYZ configurations, short and long travel

Aluminum Stages

Crossed-roller and Ball bearing designs
Available in 65, 40, 25mm footprints
X, XY, Z, XYZ configurations, short and long travel

Goniometers

Available in 65, 40, 25mm footprints
One and two axes
Compatible with rotation and translation stages

Rotation Stages

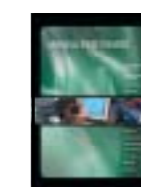
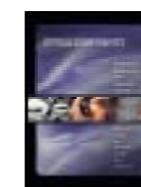
Continuous 360 degree rotation
Five sizes cover most applications
Compatible with linear translation stages

Preset Dovetail Stages

Available in 65, 40, 25, 15mm footprints
X, XY, Z, XZ, XYZ configurations
Set and lock in position

Other Services

Engineering support for Design & Development
3D models available upon request
Prototype to Productions
Suitable for Laboratory and OEM applications
Large selection of Off-the-Shelf products
Vacuum Compatible solutions
RoHS compliant products
Adaptable to motorized actuators



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